

Application No. 10/053,675
Art Unit: 3723

Attorney Docket No. 20154.00
Confirmation No. 8412

IN THE CLAIMS:

1 Claim 1. (*Currently Amended*) A sliding hammer oil seal remover for pulling an oil seal seated in a housing
2 comprising:

3 a cylindrical rod having a central axis and a length defined between two ends;

4 one of said two ends defining a seal engaging end and another one of said two ends defining a
5 handle end;

6 a cylindrical hammer having an axial bore of such dimension as to slide on said cylindrical rod
7 said cylindrical hammer being slidably mounted on said cylindrical rod and being spaced from said
8 seal engaging end;

9 a cylindrical impact collar fixedly, and coaxially mounted on said cylindrical rod along the length
10 thereof, and between said seal engaging end and said handle end, said impact collar configured to receive
11 impacts from said cylindrical hammer upon sliding said hammer along said rod in a direction toward said
12 handle end;

13 said seal engaging end having a flared portion connected with and flaring outward from said rod;

14 said flared portion having a flared end, wherein said flared portion of said seal engaging end tapers
15 from said cylindrical rod into a generally flattened concave configuration having an upper surface and a
16 lower surface between said rod and said flared portion end; and

Application No. 10/053,675
Art Unit: 3723

Attorney Docket No. 20154.00
Confirmation No. 8412

17 a seal engaging lip extending from said flared end perpendicular to said flared portion and generally
18 at a right angle to said rod axis;
19 whereby said handle end is graspable so as to manipulate said seal engaging end to be inserted into
20 an opening of an oil seal, moved laterally, and pulled outward such that said seal engaging lip engages an
21 inner surface of the oil seal; and upon engagement of said seal engaging lip with the inner surface of the oil
22 seal, said hammer is slid along said cylindrical rod in a direction away from said seal engaging end
23 impacting said impact collar with sufficient repetitive force to unseat the oil seal from an oil seal housing,
24 thus removing the seal.

Claim 2. (*Canceled*)

1 Claim 3. (*Currently Amended*) The seal remover of claim 2 1, wherein said seal engaging lip has a
2 concave upper surface extending downward and perpendicular to said concave flared portion end and a
3 corresponding convex lower free end surface at its lower end.

1 Claim 4. (*Original*) The seal remover of claim 3, wherein said seal engaging lip is flat in an axial direction.

1 Claim 5. (*Original*) The seal remover of claim 4, wherein said flare portion end is square relative to said
2 rod axis.

Application No. 10/053,675
Art Unit: 3723

Attorney Docket No. 20154.00
Confirmation No. 8412

- 3 Claim 6. (*Original*) The seal remover of claim 1, wherein said handle end of said rod forms a handle for
4 grasping said seal remover.

Claims 7-9 (*Canceled*)